

# FRIDAY MIDDAY US GRAIN WEATHER

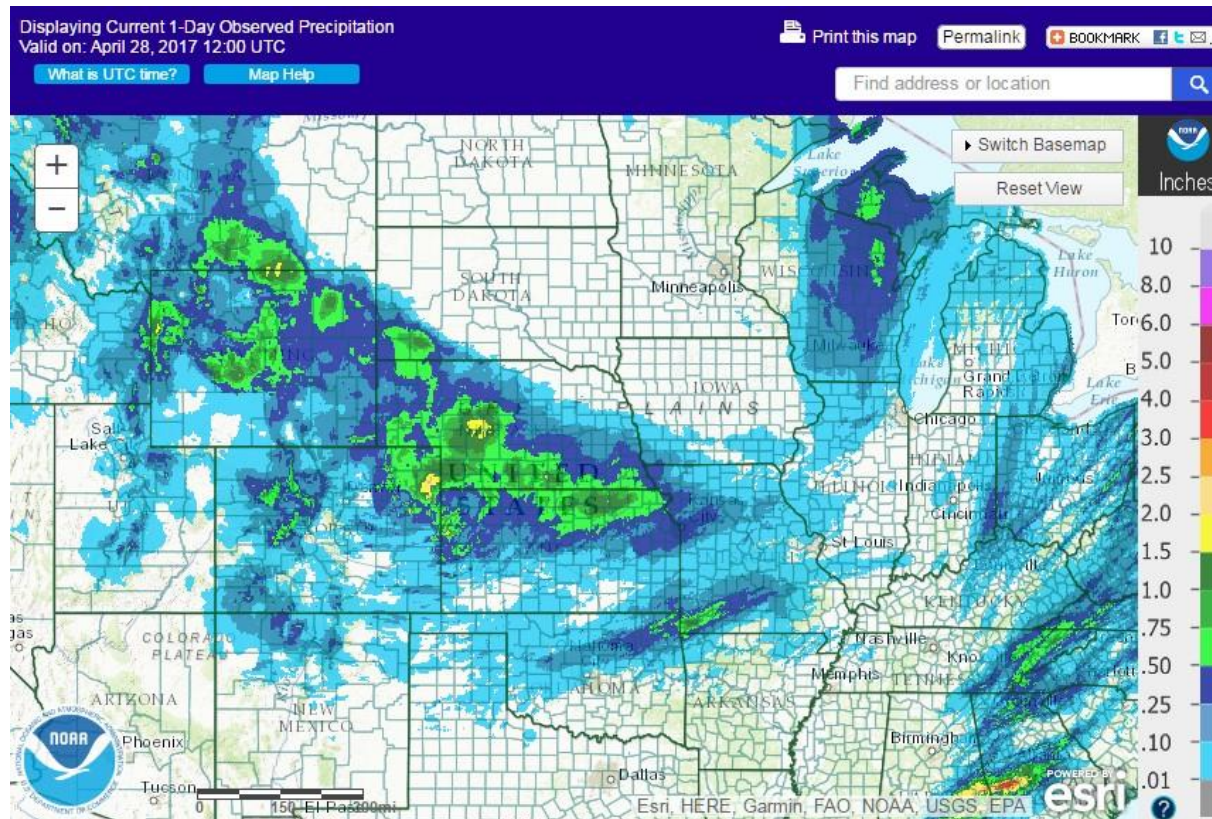
## 4/28/17 OVERVIEW

There is not much to change with regard to the big rain coming up all the next 5 says. I think what may be a surprise to some is the fact that there IS going to be a band of snow with a least a few inches accumulation across the the Plains ...running from Texas to Minnesota .. on the night of April 30 into the morning of May 1. The main focus now will be a cold temperatures for the first several days of MAY 2017 over most of the central and upper plains and the Midwest. As the deep trough the jet stream leaves the Plains and the Midwest ...and slides towards the East Coast temperatures will begin to warm as we move into the first weekend of MAY. The models show readings getting back into the 70s over much of the Midwest and the Plains by May 6.

The real issue is does it stay warm dry from say MAY 6-10 and MAY 10-14. Or do we see the rains return because of the never ending very powerful Pacific jet stream? A case could be made for either possible solution so for now we should play by ear and see what it looks like come Sunday afternoon.

## RAINFALL OVER THE LAST 24 HRS - 0700 CDT SUN 23 APRIL - 0700 CDT 24 APRIL

Moderate to heavy rain has fallen in last 24 hours ending as of 0700 CDT over southwestern and southern portions of Nebraska and the northern half of Kansas. Rainfall amounts there were in the 0.5-1.5" 12-38mm



### FAST LOADING RADAR

The mid morning radar shows heavy rain over central and northern Missouri and much of Iowa as well as the far western third of Illinois. Rain and snow was developed across much of Nebraska in the past few hours.

# TEMPS APRIL 27

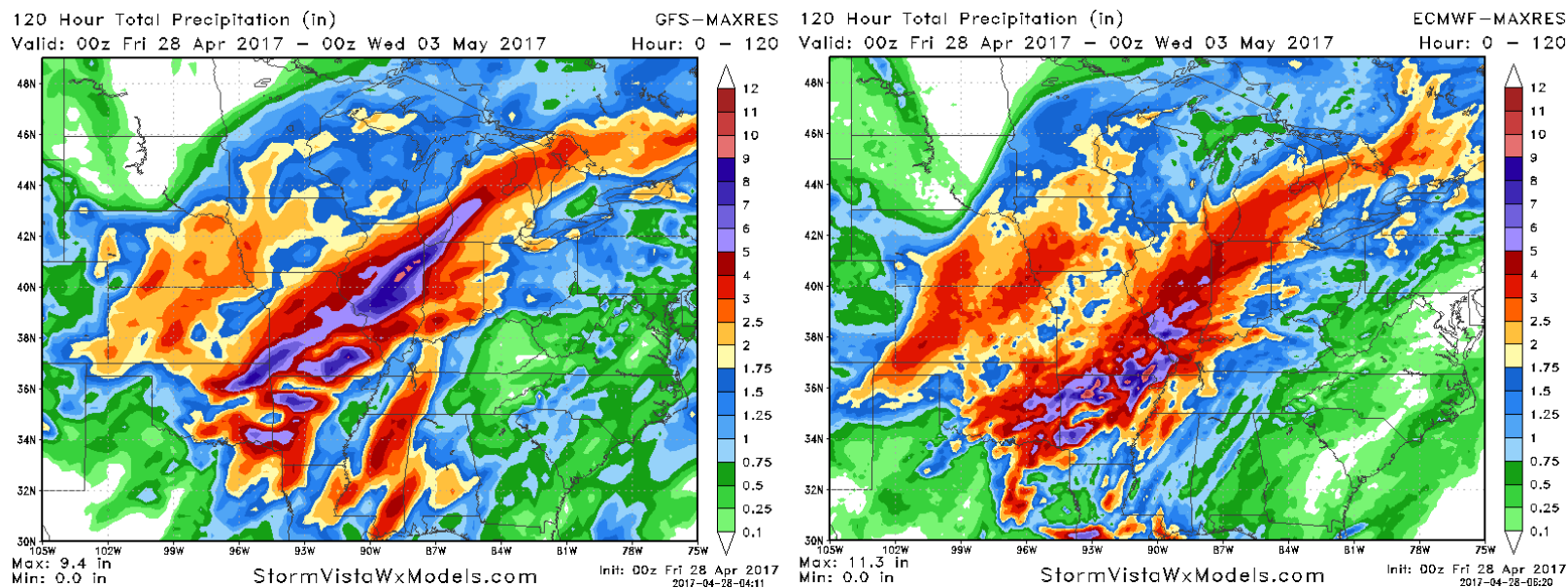
[MAX TEMPS APRIL 27](#) - [NORMAL MAX TEMPS FOR LATE APRIL](#)

[MIN TEMPS APRIL 27](#) [NORMAL MIN TEMPS FOR LATE APRIL](#)

**Thursday morning Min** temperatures were remarkably chilly for this time of year with many areas bottoming out in the mid and upper 20s across the Dakotas ...Nebraska ...Minnesota and into the low to middle 30s across much of Kansas ...Oklahoma ... eastern Colorado Iowa ...Wisconsin ...and northwest Illinois. **Thursday Max temperatures** again were well below normal over the entire WCB as well as the central and upper Plains... Minnesota and northern Wisconsin. 40s were common across the rest of Wisconsin northern Iowa and the eastern Dakotas... 50s were common across all of Nebraska and rest Iowa and western ILL.

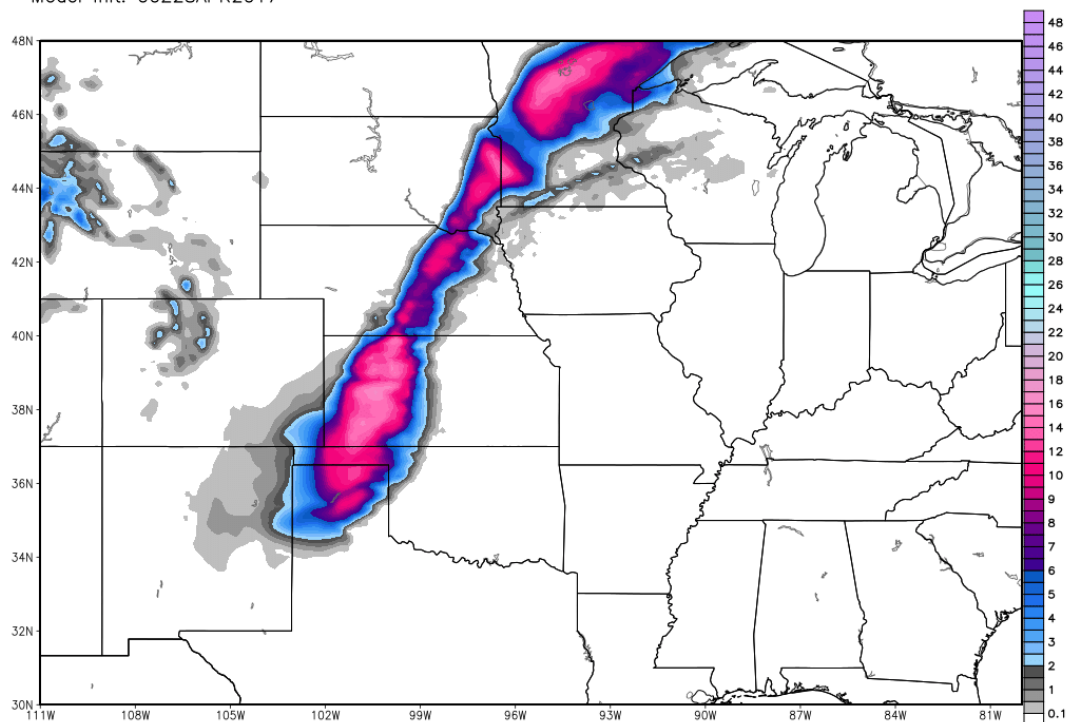
## NEXT 5 DAYS

There is very little to change in the forecast for the next 5 days. The models are in strong agreement in terms of the rain shield and which areas are going to see the best rains and the type of coverage. The only real difference is that the GFS model has a larger area of 7-10" /175-250mm rains over Central Illinois. The European model has much smaller 6-9"/150-225mm rains and it's centered over far southwest corner of Illinois. But outside of that the model agreement here is very strong



ECMWF 48hr Snowfall [inch] from 06Z30APR2017 to Tue 06Z02MAY2017  
Model Init: 00Z28APR2017

Max 16.26 inch



In fact temperature will be cold enough to support a band of snow April 30 into the morning of May 1 over portions of the plains running from the Texas panhandle into Western Minnesota. The European model shows 3 to as much as 8 inches of snow in some areas.

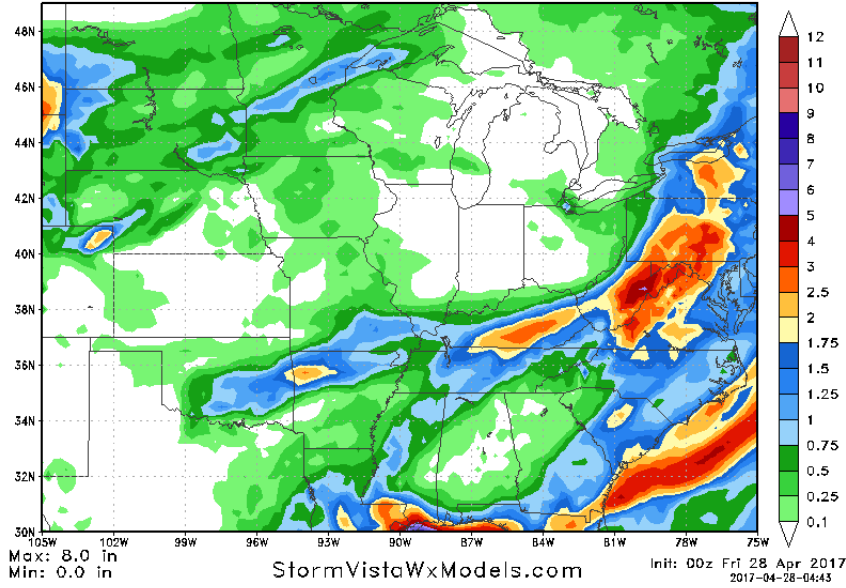
## 6-10 DAY

The operational models for the GFS and the European continue to show that most of the Midwest and a good portion of the Plains will be either dry or completely dry in the 6-10 DAY. That being said it should be pointed out that the GFS and the European ensembles are both have significantly more rain over Missouri and portions of Illinois Indiana Kentucky and Ohio. The ensembles are seeing a system May 3-4 over the Ddeep south which brings more rain deeper into the ECB than the operational models do.

What this is telling us is that come Sunday afternoon the forecast may be somewhat wetter over the ECB so you should anticipate that. On the other hand the data does show that the WCB and most of the central upper Plains will be dry in the 6-10 day.

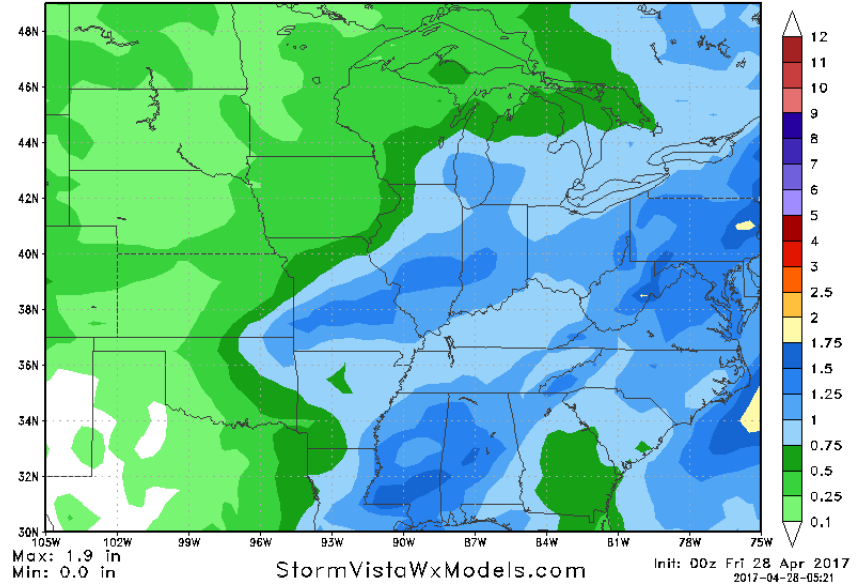
120 Hour Total Precipitation (in)  
Valid: 00z Wed 03 May 2017 - 00z Mon 08 May 2017

GFS-MAXRES  
Hour: 120 - 240



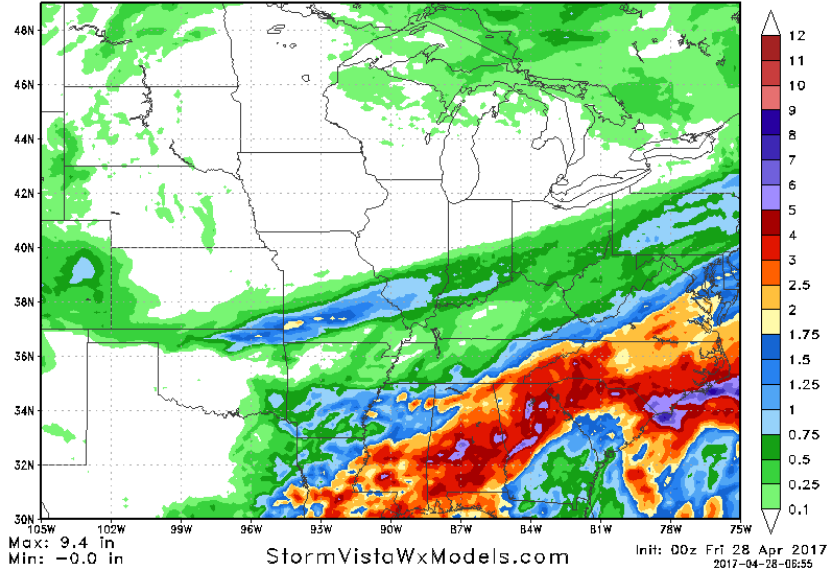
120 Hour Total Precipitation (in)  
Valid: 00z Wed 03 May 2017 - 00z Mon 08 May 2017

GFS-ENS-MAXRES  
Hour: 120 - 240



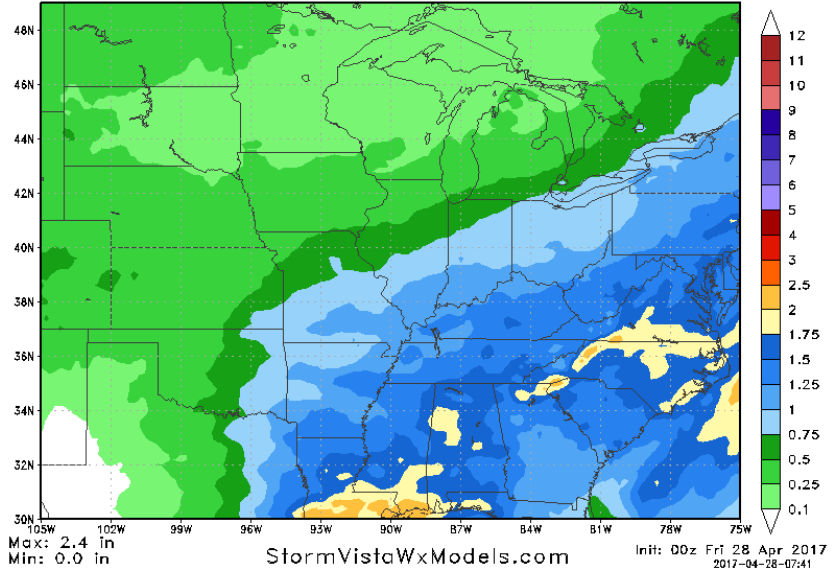
120 Hour Total Precipitation (in)  
Valid: 00z Wed 03 May 2017 - 00z Mon 08 May 2017

ECMWF-MAXRES  
Hour: 120 - 240

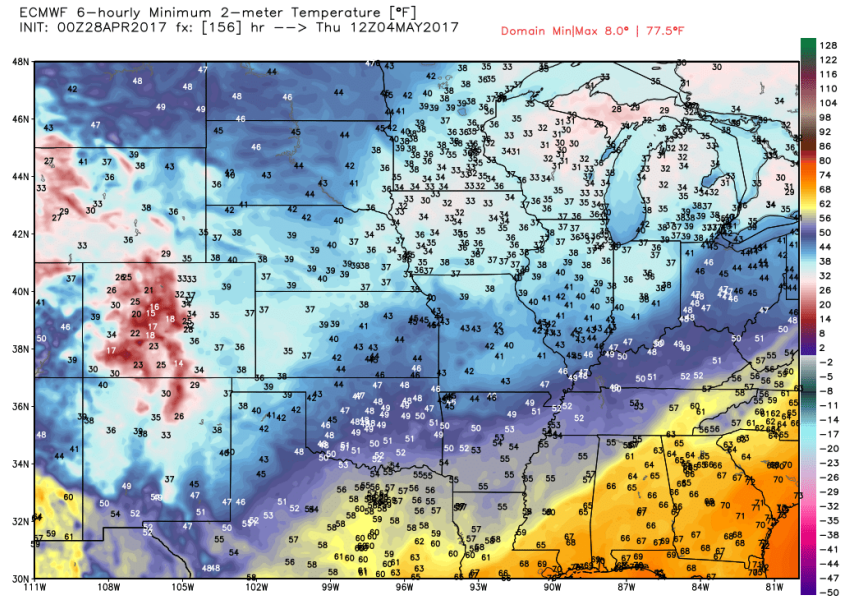
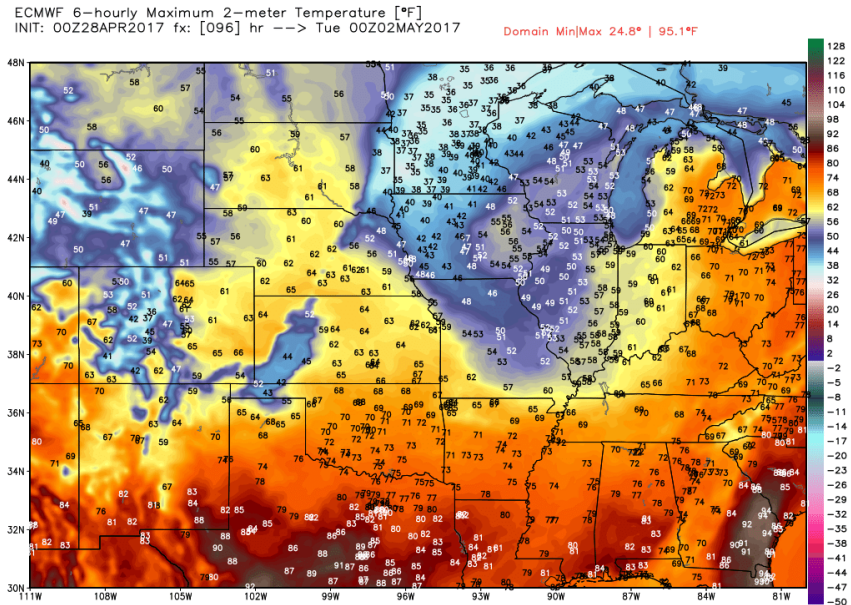


120 Hour Total Precipitation (in)  
Valid: 00z Wed 03 May 2017 - 00z Mon 08 May 2017

ECMWF-EPS-MAXRES  
Hour: 120 - 240



The other issue is that because of the death of the trough in the overall pattern in the jet stream temperatures will continue to run below and much below normal for the first several days of MAY



## 11-15 DAY

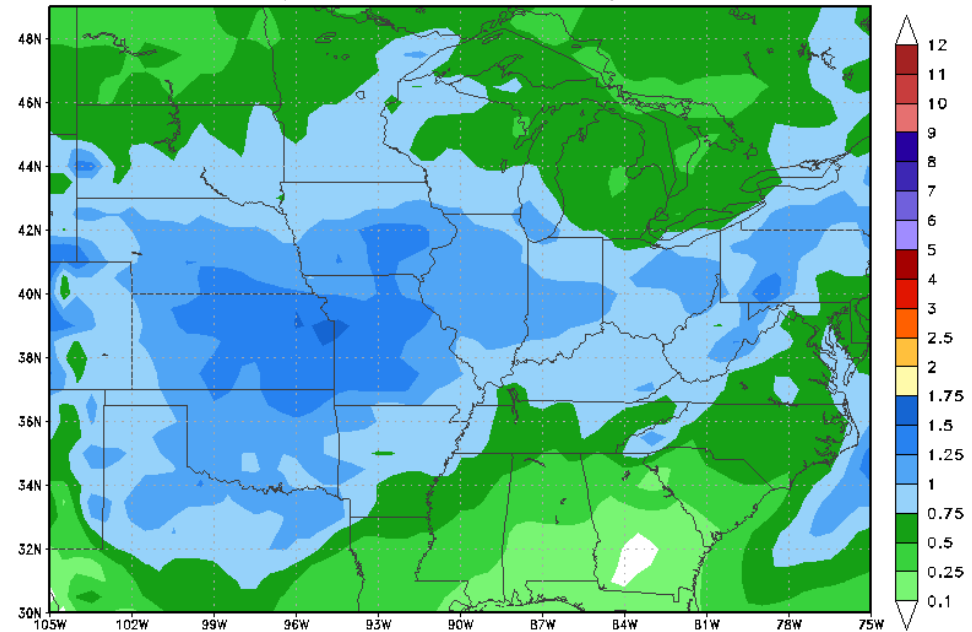
Eventually temperatures will begin to warm up especially as we move into the first weekend of MAY. Reading should be back into the middle and upper 70s over all areas by Sunday MAY 6. If these warming temperatures were to continue and conditions were to stay dry ...it would be very good news for the wet areas across the Plains and Midwest. The problem is that the extended models in the 11 to 15 day are bringing in more rain. The GFS ensemble is more aggressive than the European but both models show moderate to significant rains moving into portions of the plains and the WCB late in the 11 to 15 day timeframe.

120 Hour Total Precipitation (in)

Valid: 00z Tue 09 May 2017 - 00z Sun 14 May 2017

GFS-ENS-MAXRES

Hour: 264 - 384



Max: 1.5 in  
Min: 0.1 in

StormVistaWxModels.com

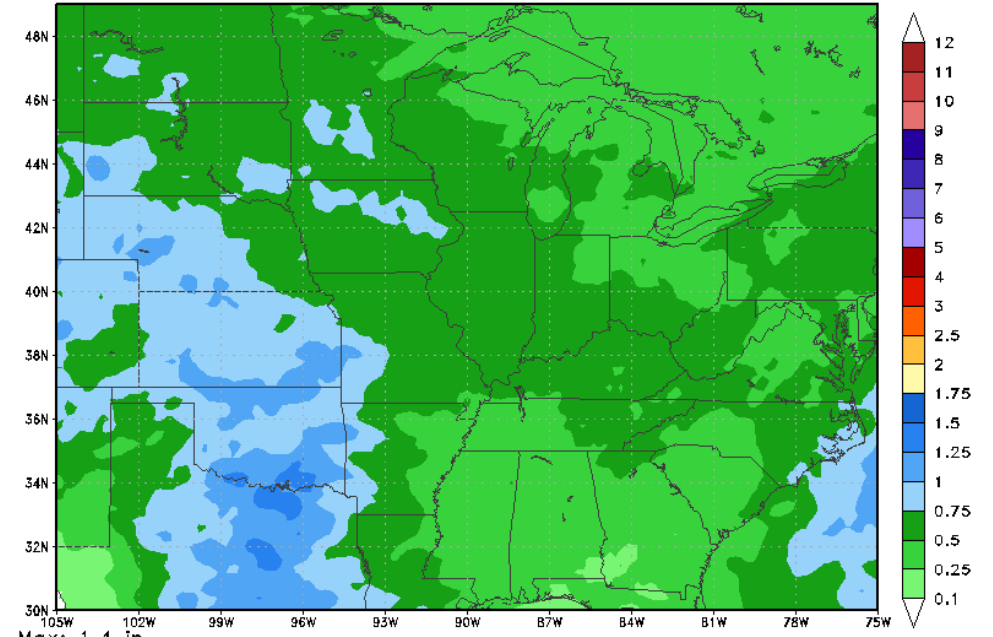
Init: 00z Fri 28 Apr 2017  
2017-04-28 06:20

120 Hour Total Precipitation (in)

Valid: 00z Mon 08 May 2017 - 00z Sat 13 May 2017

ECMWF-EPS-MAXRES

Hour: 240 - 360



Max: 1.4 in  
Min: 0.1 in

StormVistaWxModels.com

Init: 00z Fri 28 Apr 2017  
2017-04-28-08:01

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